

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL2004/000556

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A21D2/14 A23L3/3508

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A21D A23L C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 123 973 A (KUHN DALE F) 26 September 2000 (2000-09-26) column 5, lines 22-51; claims -----	1-13
X	US 4 401 624 A (ATWATER CHARLES B) 30 August 1983 (1983-08-30) abstract column 1, line 51 - column 3, line 15 -----	1-13
X	US 2 927 892 A (MORWAY ARNOLD J) 8 March 1960 (1960-03-08) column 1, lines 33-37; claims -----	1-9
X	RO 102 525 A (GAZDAC) 2 December 1991 (1991-12-02) the whole document ----- -/--	1-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

7 January 2005

Date of mailing of the international search report

17/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Boddaert, P

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/NL2004/000556

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 700 000 A (MATTHIAS GUENTHER ET AL) 13 October 1987 (1987-10-13) columns 1-3; claims; examples -----	1-9
X	US 2 898 372 A (ANDERSON ARNOLD T) 4 August 1959 (1959-08-04) the whole document -----	1-13
X	US 4 179 522 A (HUITSON JOHN J) 18 December 1979 (1979-12-18) claims; examples -----	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 433 (C-543), 15 November 1988 (1988-11-15) - & JP 63 159338 A (DAICEL CHEM IND LTD), 2 July 1988 (1988-07-02) abstract -----	1-9
X	WO 96/10553 A (KEMIN IND INC) 11 April 1996 (1996-04-11) claims; examples -----	1-9
X	EP 1 072 581 A (BASF AG) 31 January 2001 (2001-01-31) the whole document -----	1-9
X	US 2 154 449 A (SCHWEITZER THOMAS R ET AL) 18 April 1939 (1939-04-18) the whole document -----	10-13
X	FR 2 676 889 A (HEMARD PHILIPPE) 4 December 1992 (1992-12-04) the whole document -----	10-13
X	GB 1 515 425 A (BP CHEM INT LTD) 21 June 1978 (1978-06-21) the whole document -----	10-13
A	GB 1 458 625 A (DISTILLERS CO YEAST LTD) 15 December 1976 (1976-12-15) cited in the application -----	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NL2004/000556

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1-3, 5, 9-13
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 1-3,5,9-13

Present claims 1-13 relate to an extremely large number of possible compounds/products. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds/products claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds/products mentioned in the examples and in claims 4,6,7,8.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL2004/000556

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6123973	A	26-09-2000	US 5858447 A US 6303172 B1 EP 1016344 A1 AU 726327 B2 AU 6329896 A NZ 311890 A WO 9639877 A1 MX 9305057 A1	12-01-1999 16-10-2001 05-07-2000 02-11-2000 30-12-1996 28-04-2000 19-12-1996 31-01-1995
US 4401624	A	30-08-1983	NONE	
US 2927892	A	08-03-1960	BE 570069 A FR 1200659 A NL 110612 C	23-12-1959
RO 102525	A	02-12-1991	RO 102525 A2	02-12-1991
US 4700000	A	13-10-1987	DE 3215752 A1 DE 3360027 D1 EP 0093317 A1	03-11-1983 24-01-1985 09-11-1983
US 2898372	A	04-08-1959	NONE	
US 4179522	A	18-12-1979	GB 1505388 A AU 1963276 A BE 848712 A1 BR 7607815 A DD 127475 A5 DE 2653448 A1 DE 2653449 A1 DK 530276 A ,B, DK 530376 A FI 763154 A ,B, FR 2332764 A1 IE 43961 B1 IT 1203038 B JP 1145271 C JP 52070993 A JP 57035852 B JP 1188031 C JP 52110286 A JP 58011921 B LU 76270 A1 NL 7612827 A ,B, NL 7612828 A ,B, NO 763789 A ,B, SE 424805 B SE 7612195 A ZA 7606293 A	30-03-1978 25-05-1978 24-05-1977 11-10-1977 28-09-1977 07-07-1977 08-06-1977 28-05-1977 28-05-1977 28-05-1977 24-06-1977 15-07-1981 15-02-1989 12-05-1983 13-06-1977 31-07-1982 30-01-1984 16-09-1977 05-03-1983 10-07-1978 01-06-1977 01-06-1977 31-05-1977 16-08-1982 28-05-1977 30-05-1978
JP 63159338	A	02-07-1988	NONE	
WO 9610553	A	11-04-1996	AT 186904 T AU 708478 B2 AU 3760695 A CA 2201300 A1 DE 69513533 D1 DE 69513533 T2	15-12-1999 05-08-1999 26-04-1996 11-04-1996 30-12-1999 31-05-2000

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL2004/000556

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9610553	A	DK 783477 T3 EP 0783477 A1 ES 2139945 T3 GR 3032654 T3 WO 9610553 A1 US 5707679 A US 5795615 A	10-04-2000 16-07-1997 16-02-2000 30-06-2000 11-04-1996 13-01-1998 18-08-1998
EP 1072581	A	31-01-2001 DE 19935298 A1 CN 1284495 A EP 1072581 A2	01-02-2001 21-02-2001 31-01-2001
US 2154449	A	18-04-1939 NONE	
FR 2676889	A	04-12-1992 FR 2676889 A1	04-12-1992
GB 1515425	A	21-06-1978 AT 361283 B AT 358977 A AU 505651 B2 AU 2478677 A BE 854826 A1 CA 1074615 A1 DE 2722919 A1 DE 2760072 A1 DK 206177 A ,B, DK 216177 A ES 458921 A1 FI 771599 A ,B, FR 2351608 A1 IE 44924 B1 IT 1074329 B NL 7705131 A NO 771729 A NZ 183962 A PT 66572 A ,B SE 7705721 A US RE32416 E US 4112122 A	25-02-1981 15-07-1980 29-11-1979 09-11-1978 18-11-1977 01-04-1980 01-12-1977 16-09-1982 20-11-1977 27-11-1977 16-02-1978 20-11-1977 16-12-1977 19-05-1982 20-04-1985 22-11-1977 21-11-1977 26-08-1980 01-06-1977 20-11-1977 12-05-1987 05-09-1978
GB 1458625	A	15-12-1976 NONE	